

## **CLAIMS**

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What is claimed is:

A compound of Formula I, and pharmaceutically acceptable salts thereof, 5 1.

$$R_4$$
 $R_3$ 
 $R_2$ 
 $R_1$ 

Formula I

10 wherein:

 $R_1$  is  $-(CR^aR^b)_n-X$ ;

R<sup>a</sup>, R<sup>b</sup> are each independently selected from the group consisting of H, C<sub>1-6</sub> alkyl; each of said C<sub>1-6</sub> alkyl being optionally substituted with one to six same or 15 different halogen;

X is H or  $C_{1\text{-}6}$  alkyl; said  $C_{1\text{-}6}$  alkyl being optionally substituted with a member selected from the group consisting of (1) one to six same or different halogen or hydroxy, (2) heteroaryl, (3) non-aromatic heterocyclic ring and (4) a member selected from Group A;

n is 1-6;

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Group A is a member selected from the group consisting of halogen, CN, OR<sup>x</sup>, 25  $N^{\text{+}}R^{\text{c}}R^{\text{d}}R^{\text{e}}[T^{\text{-}}], NR^{\text{c}}R^{\text{d}}, COR^{\text{c}}, CO_{2}R^{\text{x}}, CONR^{\text{x}}R^{\text{y}} \text{ and } S(O)_{\text{m}}R^{\text{c}};$  $R^{x}$  and  $R^{y}$  are independently H or  $C_{1-6}$  alkyl; R<sup>c</sup>, R<sup>d</sup> and R<sup>e</sup> are independently C<sub>1-6</sub> alkyl;



m is 0-2

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T is halogen, CF<sub>3</sub>SO<sub>3</sub> or CH<sub>3</sub>SO<sub>3</sub>;

5  $R_2$  and  $R_5$  are independently halogen or H;

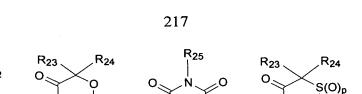
 $R_3$  and  $R_4$  are each independently selected from the group consisting of H, halogen and  $C_{1-6}$  alkyl; said  $C_{1-6}$  alkyl can be optionally substituted with one to six same or different halogen;

Q is a member selected from the group consisting of

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F<sub>1</sub> is CH or N;

R<sub>6</sub> is selected from the group consisting of H, halogen, NR<sup>f</sup>R<sup>g</sup>, SR<sup>n</sup> and a fivemembered heteroaryl containing one to two of the same or different heteroatoms selected from the group consisting of O, S and N;

 $R^f$  and  $R^g$  are independently H,  $C_{1-6}$  alkyl or  $C_{1-6}$  alkyl; said  $C_{1-6}$  alkyl optionally substituted with  $OR^h$  or  $CO_2R^h$ ;

 $R^h$  and  $R^i$  are independently H or  $C_{1\text{--}6}$  alkyl;

 $R^n$  is  $C_{1-6}$  alkyl optionally substituted with  $CO_2R^h$ ;

 $R_7$  is H, or  $CO_2R^h$ ;

 $R_8$  is H,  $COR^h$ ,  $CO_2R^h$  or  $C_{1-6}$  alkyl; said  $C_{1-6}$  alkyl optionally substituted with  $OR^h$ ;

R<sub>9</sub> is H, halogen, heteroaryl, phenyl, phenyl substituted with a halogen group, phenyl substituted with a methanesulfonyl group, COR<sup>h</sup>, CO<sub>2</sub>R<sup>h</sup>, C<sub>1-6</sub> alkyl,



 $C_{2-6}$  alkenyl, and  $C_{2-4}$  alkynyl; said  $C_{2-4}$  alkynyl optionally substituted with  $C_{1-6}$  cycloalkyl;

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 $R_{10}$  and  $R_{11}$  are independently H,  $NO_2$  or  $NR^hR^i$ 

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R<sub>12</sub> is H, CO<sub>2</sub>R<sup>h</sup> or C<sub>1-2</sub> alkyl; said C<sub>1-2</sub> alkyl optionally substituted with phenyl;

R<sub>13</sub> and R<sub>14</sub> are independently selected from the group consisting of H, OR<sup>h</sup>, CONR<sup>j</sup>R<sup>k</sup>, NR<sup>l</sup>R<sup>m</sup> and pyrrolidine; wherein said pyrrolidine is attached at the nitrogen atom;

R<sup>j</sup> and R<sup>k</sup> are independently H or C<sub>1-6</sub> alkyl optionally substituted with phenyl;

R<sup>I</sup> and R<sup>m</sup> are independently C<sub>1-6</sub> alkyl;

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 $R_{15}$  and  $R_{16}$  are independently selected from the group consisting of H,  $OR^h$ , phenyl, pyridyl and  $C_{1-6}$  alkyl; said  $C_{1-6}$  alkyl optionally substituted with  $CO_2R^h$ ;

R<sub>17</sub> and R<sub>18</sub> are independently selected from the group consisting of halogen,

NR<sup>I</sup>R<sup>m</sup>, SR<sup>h</sup> and morpholine; wherein said morpholine is attached at the nitrogen atom;

R<sub>19</sub> is selected from the group consisting of H, phenyl, C<sub>2-6</sub> alkenyl and C<sub>1-6</sub> alkyl; said C<sub>1-6</sub> alkyl optionally substituted with one to six same or different halogen, CO<sub>2</sub>R<sup>h</sup>, CONR<sup>h</sup>R<sup>i</sup>, pyridyl and one to three phenyl groups; wherein in the case of C<sub>1-6</sub> alkyl substituted with one phenyl group, said phenyl group is optionally substituted with a member selected from the group consisting of halogen, PO(OR<sup>h</sup>)<sub>2</sub>, CO<sub>2</sub>R<sup>h</sup>, SO<sub>2</sub>R<sup>n</sup> and CONR<sup>h</sup>R<sup>i</sup>;

30  $R^n$  is  $C_{1-6}$  alkyl;

 $R_{20}$  and  $R_{21}$  are independently H or halogen;



 $R_{22}$  is  $C_{1-6}$  alkyl;

R<sub>23</sub> and R<sub>24</sub> are independently H or C<sub>1-6</sub> alkyl;

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 $R_{25}$  is  $C_{1-6}$  cycloalkyl or  $C_{1-6}$  alkyl; said  $C_{1-6}$  alkyl group optionally substituted with a member selected from the group consisting of  $CO_2R^h$ ,  $PhCO_2R^h$  and one to six same or different halogens;

R<sub>26</sub> is selected from the group consisting of H, halogen, C<sub>1-6</sub> alkyl; C<sub>2-6</sub> alkenyl, OR<sup>h</sup> and COR<sup>h</sup>; said C<sub>2-6</sub> alkenyl being optionally substituted with OR<sup>h</sup>;

R<sub>27</sub> is H, OR<sup>h</sup> or CO<sub>2</sub>R<sup>h</sup>;

15  $R_{28}$  is  $CO_2R^h$ ;

R<sub>29</sub> is H or halogen;

heteroaryl is a 5- or 6-membered aromatic ring containing at least one and up to four non-carbon atoms selected from the group consisting of O, N and S;

non-aromatic heterocyclic ring is a 3 to 7-membered non-aromatic ring containing at least one and up to four non-carbon atoms selected from the group consisting of O, N and S; and

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p is 0-2.

2. A compound of claim 1 wherein heteroaryl is selected from the group consisting of pyridyl, thiazolyl, 1,2,3-oxadiazolyl, 1,2,4-oxadiazolyl, 1,2,4-oxadiazol-5-one and tetrazole.



- 3. A compound of claim 1 wherein non-aromatic heterocyclic ring is selected from the group consisting of pyrrolidine and piperidine.
- 4. A compound of claim 1 wherein:

R<sup>a</sup> and R<sup>b</sup> are hydrogen.

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- 5. A compound of claim 1 wherein:
- 10  $R_1$  is  $-(CH_2)_n$ -X and n is 2-4.
  - 6. A compound in claim 1 wherein  $R_3$  and  $R_4$  are each independently selected from the group consisting of H, fluorine and  $C_{1-2}$  alkyl; said  $C_{1-2}$  alkyl being optionally substituted with one to three fluorine atoms.
  - 7. A compound in claim 1 wherein:

 $R_1$  is 3-methyl-2-butyl or -(CH<sub>2</sub>)<sub>n</sub>-X; wherein n is 2-4;

20 X is a member selected from the group consisting of -F, -CN, -SR<sup>c</sup>, -SO<sub>2</sub>R<sup>c</sup>, -OR<sup>x</sup>, -COR<sup>c</sup>, CO<sub>2</sub>R<sup>x</sup>, CONR<sup>x</sup>R<sup>y</sup>, [NR<sup>c</sup>R<sup>d</sup>R<sup>e</sup>][T],

R<sup>c</sup>, R<sup>d</sup> and R<sup>e</sup> are independently C<sub>1-4</sub> alkyl; and





R<sup>x</sup> and R<sup>y</sup> are independently H or C<sub>1-4</sub> alkyl.

8. A compound of claim 1 wherein:

R<sub>2</sub> and R<sub>5</sub> are independently H.

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- 9. A method for treating mammals-infected with RSV, and in need thereof, which comprises administering to said mammal a therapeutically effective

  10 amount of one or more of the aforementioned compounds as claimed in any one of claims 1-8.
- 10. A pharmaceutical composition which comprises a therapeutically effective amount of one or more of the aforementioned compounds as claimed in any one of claims 1-8, and a pharmaceutically acceptable carrier.